FIG. 1(A)

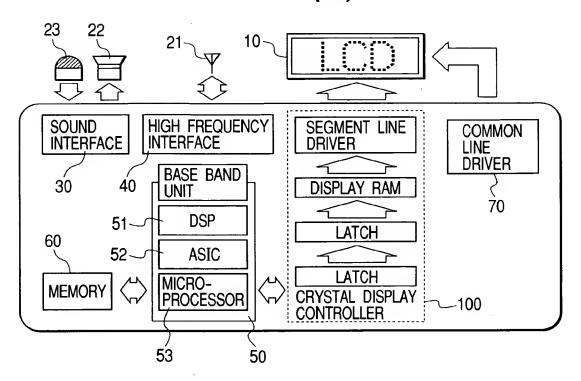
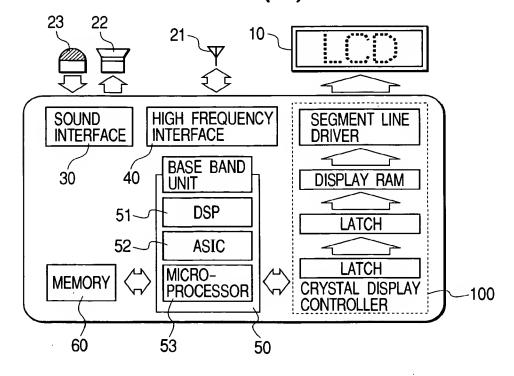
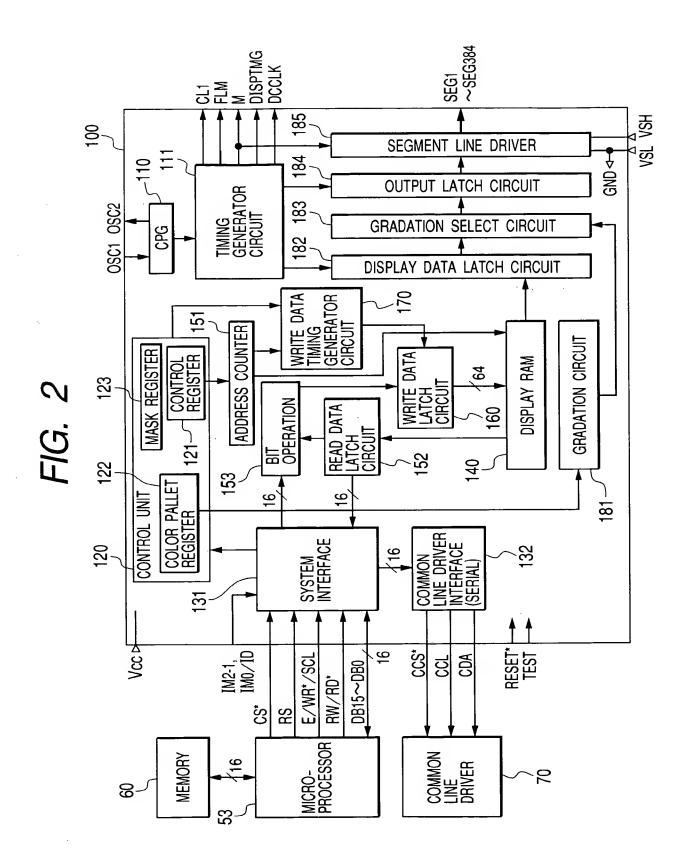


FIG. 1(B)







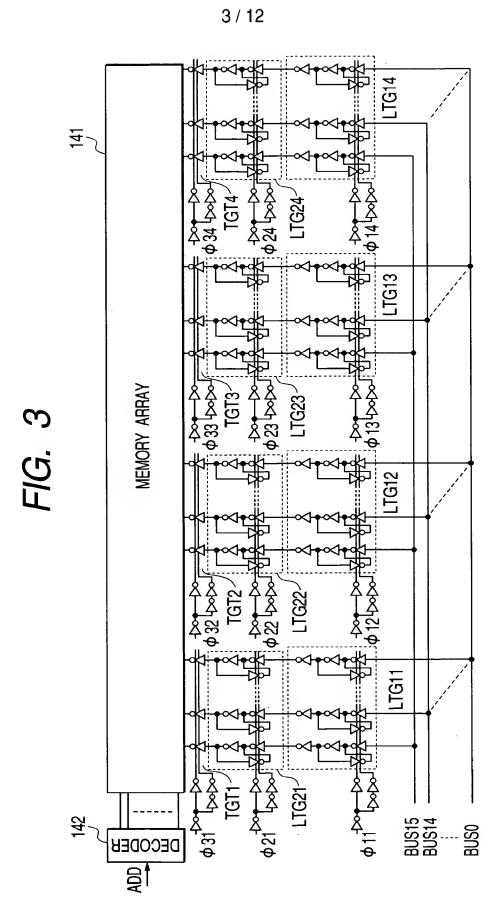
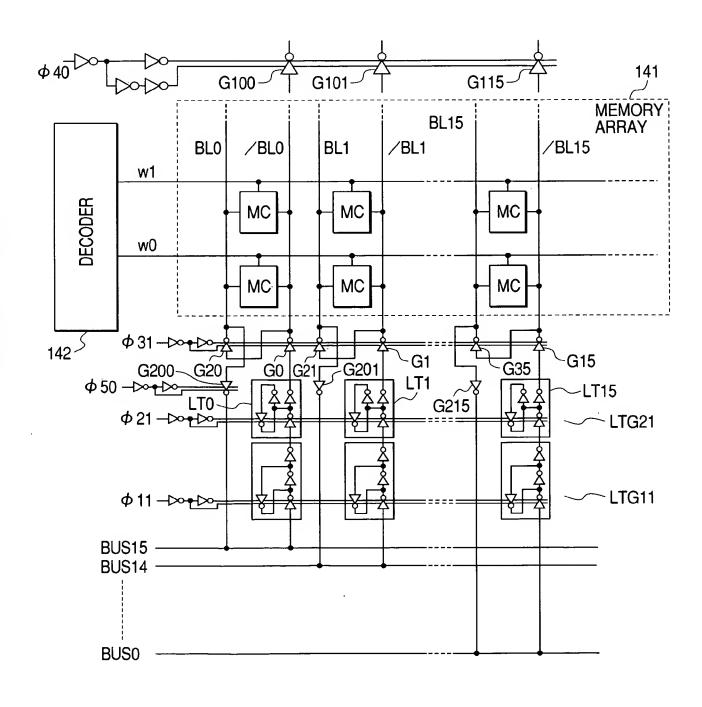
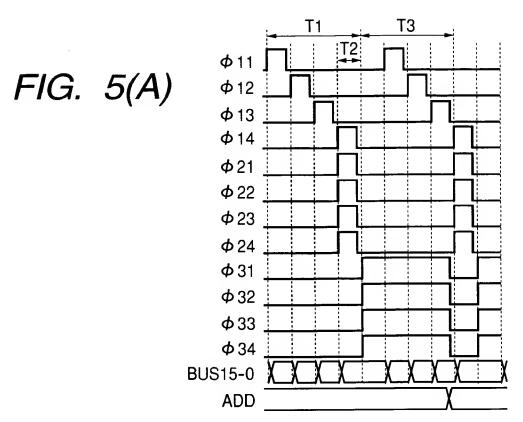
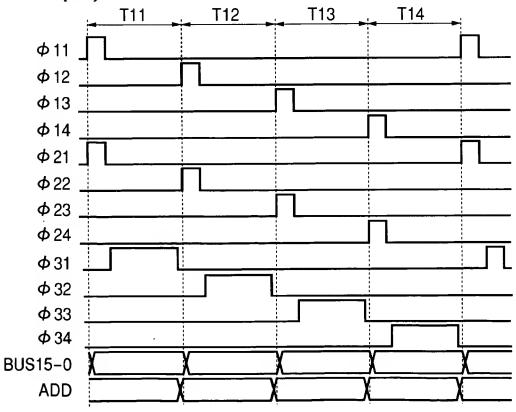


FIG. 4









UNIT OF BURST WRITE

FIG. 6(A)

1 LINE	\$0000	\$0001	\$0002	\$0003	\$0004	\$0005	\$0006	\$0007	•••	\$003F
2 LINE	\$0100	\$0101	\$0102	\$0103	\$0104	\$0105	\$0106	\$0107	•••	\$013F
3 LINE	\$0200	\$0201	\$0202	\$0203	\$0204	\$0205	\$0206	\$0207	•••	\$023F
128 LINE	\$7F00	\$7F01	\$7F02	\$7F03	\$7F04	\$7F05	\$7F06	\$7F07	•••	\$7F3F

FIG. 6(B)

	DUMM\ DATA	<i></i>	WRITE	DATA		DUN	MMY DA	TA		
1 LINE	\$0000	\$0001	\$0002	\$0003	\$0004	\$0005	\$0006	\$0007	•••	\$003F
2 LINE	\$0100	\$0101	\$0102	\$0103	\$0104	\$0105	\$0106	\$0107	•••	\$013F
3 LINE	\$0200	\$0201	\$0202	\$0203	\$0204	\$0205	\$0206	\$0207	•••	\$023F
			·							
128 LINE	\$7F00	\$7F01	\$7F02	\$7F03	\$7F04	\$7F05	\$7F06	\$7F07	•••	\$7F3F
168 LINE	\$ A 700	\$A701	\$A702	\$ A 703	\$ A 704	\$A705	\$A706	\$ A 707	•••	\$A73F
					_					
256 LINE	\$FF00	\$FF01	\$FF02	\$FF03	\$FF04	\$FF05	\$FF06	\$FF07	•••	\$FF3F

FIG. 7(A)

i) REWRITE AREA: IN NEW 4 WORDS WRITING, A WRITE ADDRESS REGINS FROM THE MILITID F OF A

		סבמווי	ואַ סרי ט	DEGINS FROM THE MULTIFLE OF 4.	III'LE UI	.	
0000\$	\$0001	\$0000 \$0001 \$0002 \$0003 \$0004	\$0003	\$000\$	\$000\$	2000\$ \$000\$ \$000	\$0007
\$0100	\$0101	\$0100 \$0101 \$0102 \$0103 \$0104 \$0105 \$0106 \$0107	\$0103	\$0104	\$0105	\$0106	\$0107
\$0200	\$0201	\$0200 \$0201 \$0202 \$0203 \$0204 \$0205 \$0206 \$0207	\$0203	\$020\$	\$0205	\$0206	\$0207

NUMBER OF TIMES FOR WRITING TO LATCHES: 4 TIMES

(1) (2) (3) (4) | ONCE

FIG. 7(B)

ii) rewrite area: In New 8 Words writing, a write address regins from the MII tiple of 4

		חברת		DECLINO 1110IN 111E INDETILLE OF T	1 1 5	F	
000	\$0001	\$0000 \$0001 \$0002 \$0003 \$0004 \$0005 \$0006 \$0007	\$0003	\$0004	\$0005	\$0000	\$0007
100	\$0101	\$0100 \$0101 \$0102 \$0103 \$0104 \$0105 \$0106 \$0107	\$0103	\$0104	\$0105	\$0106	\$0107
\$0200	\$0201	\$0201 \$0202 \$0203 \$0204 \$0205 \$0206	\$0203	\$0204	\$0205	\$0206	\$0207

NUMBER OF TIMES FOR WRITING TO LATCHES:8 TIMES

7/12

RAM

8	
<u>()</u>	
(9)	
(2)	
(4)	
(3)	
(2)	
\equiv	

TWICE

FIG. 7(C)

iii) rewrite area : when it writes in a different line Every 4 words, each write address Begins from the multiple of 4.

 \$0001	2000\$ 20003	\$0003	\$0004	2000\$	9000\$	\$0007
\$0100 \$0101	\$0101 \$0102	\$0103	\$0103 \$0104	\$0105	\$0106	\$0107
\$0201	\$0202	\$0203	\$0204	\$0205	\$0206	\$0207

NUMBER OF TIMES FOR WRITING TO LATCHES:8 TIMES

RAM	:	TWICE	
WRITING TO LATCHES: 8 TIMES	(1) (2) (3) (4) [(5) (6) (7) (8) (1)	

RAM

The fight of the first from the constitution of the first first first from the first first first from the first first first from the first first first first first from the first fi

FIG. 8(A)

i) REWRITE AREA: IN NEW 3 WORDS WRITING, A WRITE ADDRESS DOES NOT BEGIN FROM THE MULTIPLE OF 4.

\$0007	\$0107	\$0207
\$0000	\$0106	\$0206
\$000\$	\$0105	\$0202
\$0004		\$0203 \$0204
\$0003	£010\$	L !
\$0001 \$0002 \$0003	\$0100 \$0101 \$0102 \$0103 \$0104	\$0205
\$0001	\$0101	\$0201
80000	\$0100	\$0200

RAM		ONCE	
TIMES			
		П	
IMES FOR ATCHES:4			
_ 7	(4)		
NUMBER OF 1 WRITING TO L	(9)		
UMBER /RITING	(2)		
	(£)		
-			

FIG. 8(B)

ii) rewrite area : In New 4 Words writing, a write address does not begin from the multiple of 4.

18000081	\$0001	\$0005	€000\$	\$0004	1800081		11/2000/1
\$0100	\$0101	\$0102	\$0103	\$0104	\$0105	\$0106	\$0107
\$0200	\$0201	\$0205	\$0203	\$0204	\$0205	\$0206	\$0207

FIG. 8(C)

NUMBER OF TIMES FOR WRITING TO LATCHES:8 TIMES

(8)	
(9)	
(2)	
<u>(4)</u>	
(3)	
(2)	
(E)	

TWICE

NUMBER OF TIMES FOR WRITING TO LATCHES: 1 (1) (2) (3) (4) \$0201 | \$0202 | \$0203 | \$0204 | \$0205 | \$0206 | \$0207 \$6666 | \$0001 | \$0002 | \$0003 | \$0004 | \$0005 | \$0006 | \$6666 iii) rewrite area : when it writes in a different line every 6 words, each write address does not begin from the multiple of 4.

\$0200

RAM		4 TIMES
	(8)	(16)
16 TIMES	(7)	(15)
16 T	9	(14)
光 形:	(2)	(13) (14)
\rightarrow	一	F i

	<u>4</u> ∏	
_		
	(16)	
	(12)	
	(14)	
	(13)	
ı	(12)	
֓֞֝֟֝֟֝֟֝֟֝֟֝֟֝	(11)	
	(10)	
	6)	

FIG. 9(A)

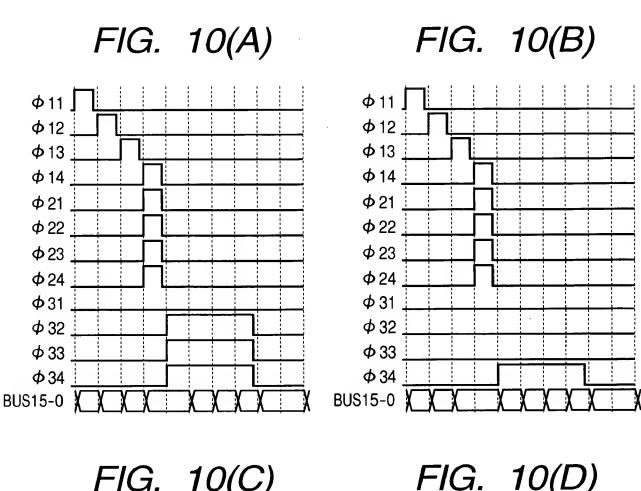
WRITE START	MASK AMOUNT	WRITE END	MASK AMOUNT
ADDRESS	FOR START SIDE	ADDRESS	FOR END SIDE
WSA	SMW	WEA	

FIG. 9(B)

	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	000A	000B
CASE 1								0	0		0	
CASE 2	-											-
CASE 3	-	-									-	-
CASE 4	-	-	-									-
	– MA	SK PC	RTION							•		

FIG. 9(C)

	WSA	SMW	WEA	EMW
CASE 1	0000	00	000B	00
CASE 2	0001	01	000A	01
CASE 3	0010	10	0009	10
CASE 4	0011	11	0008	11



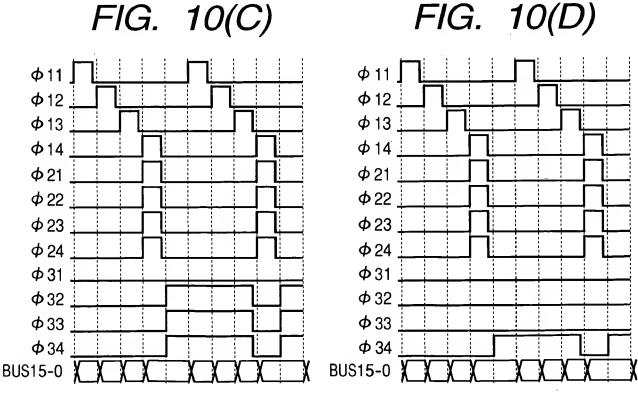


FIG. 11

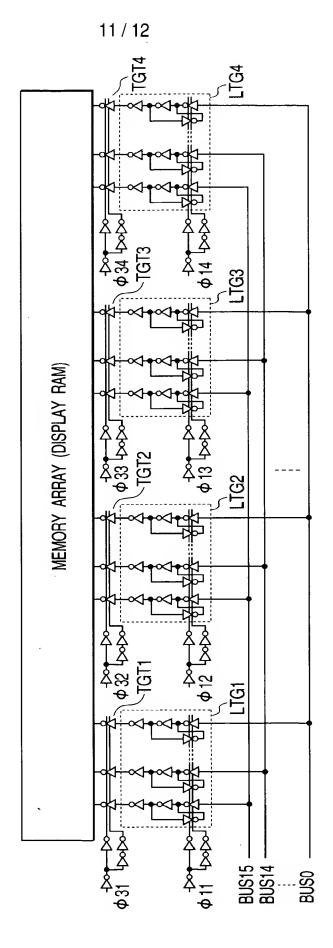


FIG. 12

